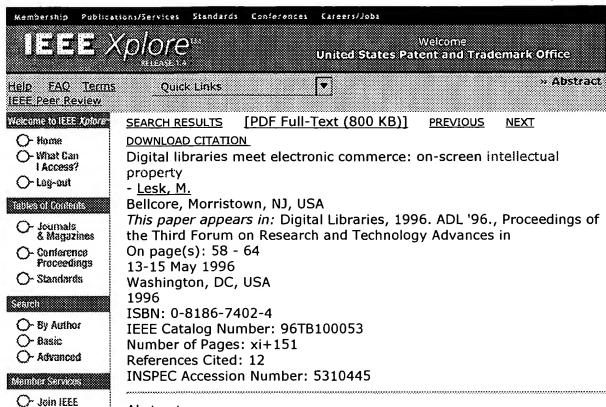
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Index Terms:

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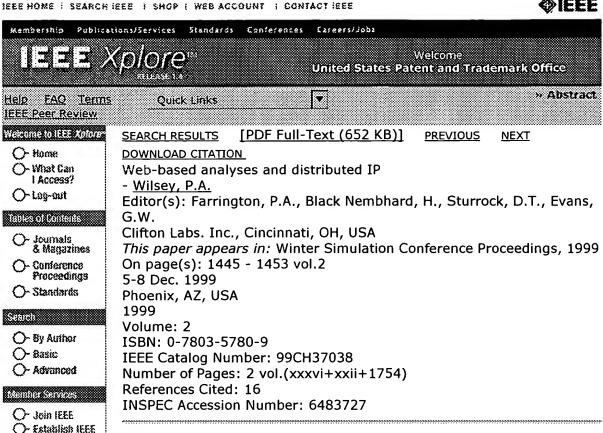
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The web presents an opportunity for realizing a distributed design framework supporting multi-disciplinary, multi-organizational collaborative design and analysis activities. The potential for deploying online, reusable parts libraries for virtual prototyping and design analysis exists. However, several issues must be solved before vendors will be willing to provide online access to their intellectual property (IP). This paper reviews the main problems facing the web-based design and analysis community before the successful application of web-based virtual prototyping can become a reality. To amplify and solidify our arguments, the application domain of web-based hardware/software co-design is used.

Index Terms:

industrial property software prototyping hardware-software codesign virtual reality information resources Web-based analyses distributed IP distributed design framework collaborative design reusable parts libraries virtual prototyping intellectual property hardware/software codesian

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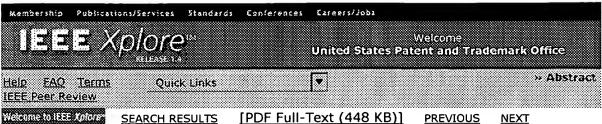
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Enterprise security: legal challenges and possible solutions

Weitzenboeck, E.M.

Norwegian Res. Centre for Comput. & Law, Oslo Univ., Norway This paper appears in: Enabling Technologies: Infrastructure for Collaborative Enterprises, 2001. WET ICE 2001. Proceedings. Tenth

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2001

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Abstract:

To survive in business, especially the online world, an enterprise requires an effective security infrastructure. However, enterprises should bear in mind that there is often also a legal obligation to keep certain data or information secure, emanating from legislation such as intellectual property, data protection or trade secret legislation or from contract. A number of technological measures already exist to provide security in the online world, such as encryption, electronic signatures and privacy enhancing technologies. However, one often encounters a number of legal constraints to the use of these measures through, for example, restrictions on the export and use of cryptography, difficulties and doubts of the legal recognition of electronic signatures, and different national rules on certification services. If electronic commerce is to grow, there is need for more international cooperation as well as mutual recognition of, and more liberalisation of, such regulations. The paper discusses the legal obligation of enterprise security and considers mechanisms to ensure security.

Index Terms:

business data processing security of data legislation data privacy industrial property enterprise security business legislation intellectual property data protection trade secret contract encryption electronic signatures data privacy certification services electronic commerce

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